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NOTICE OF ALLOWANCE AND FEE(S) DUE

020457

12/14/2004

ANTONELLI, TERRY, STOUT & KRAUS, LLP 1300 NORTH SEVENTEENTH STREET **SUITE 1800** ARLINGTON, VA 22209-9889

EXAMINER

PORTKA, GARY J

ART UNIT

PAPER NUMBER

2188

DATE MAILED: 12/14/2004

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/632,855	08/04/2003	Kazuhisa Aruga	520.38161CX3	3446

TITLE OF INVENTION: DISK SUBSYSTEM

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1400	\$300	\$1700	03/14/2005

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current **SMALL ENTITY status:**

- A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.
- B. If the status above is to be removed, check box 5b on Part B -Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

- A. Pay TOTAL FEE(S) DUE shown above, or
- B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.
- II. PART B FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) with vour ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B - Fee(s) Transmittal should be completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted.
- III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail

Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

(703) 746-4000

or For

INSTRUCTIONS: This for appropriate. All further cor indicated unless corrected to maintenance fee notification	respondence including the selow or directed otherwise	smitting the ISSU Patent, advance or in Block 1, by (a	JE FEE and PUBL ders and notification) specifying a new	CATION FEE (if req n of maintenance fees correspondence addres	uired). Blocks 1 through 5 s will be mailed to the current s; and/or (b) indicating a sep-	should be completed where correspondence address as arate "FEE ADDRESS" for	
CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)			Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, mushave its own certificate of mailing or transmission.				
020457 75	90 12/14/2004			have its own certifica	ite of mailing or transmission.	chi or formal drawing, mus	
	ERRY, STOUT & K ENTEENTH STREET 22209-9889			I hereby certify that States Postal Service	ertificate of Mailing or Transthis Fee(s) Transmittal is bein with sufficient postage for final Stop ISSUE FEE address PTO (703) 746-4000, on the	g deposited with the United rst class mail in an enveloped	
,					•	(Depositor's name)	
						(Signature)	
		•				(Date)	
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EXAM	INER	ART UN	IT C	CLASS-SUBCLASS	ן		
PORTKA, GARY J		2188		711-114000	_		
☐ "Fee Address" indicati	ence address (or Change of 22) attached. ion (or "Fee Address" Indicate from ore recent) attached.	Correspondence	(1) the names of or agents OR, alt (2) the name of a registered attorned	single firm (having as y or agent) and the na it attorneys or agents. I	a member a 2 mes of up to		
3. ASSIGNEE NAME AND	RESIDENCE DATA TO B	E PRINTED ON T	HE PATENT (print	or type)			
PLEASE NOTE: Unless recordation as set forth in	an assignee is identified be 37 CFR 3.11. Completion	clow, no assignee of this form is NOT	data will appear on Γa substitute for fili	the patent. If an assigng an assignment.	nee is identified below, the c	document has been filed for	
(A) NAME OF ASSIGNE	EE	(B) RESIDENCE: (CI	ΓY and STATE OR CC	OUNTRY)		
		ries (will not be pri	inted on the patent):	☐ Individual ☐ (Corporation or other private gr	oup entity Government	
4a. The following fee(s) are e	enclosed:		. Payment of Fee(s):				
☐ Issue Fee			☐ A check in the amount of the fee(s) is enclosed. ☐ Payment by credit card. Form PTO-2038 is attached.				
Publication Fee (No small entity discount permitted) Advance Order - # of Copies			The Director is hereby authorized by charge the required fee(s), or credit any overpayment, to				
			Deposit Account N	umber	(enclose an extra c	opy of this form).	
5. Change in Entity Status ((from status indicated above MALL ENTITY status. See 1	•	Dr. A	- 11-ii CD4	ALL ENTITY status. See 37 C	PTD 1 27(-)(2)	
NOTE: The Issue Fee and Puinterest as shown by the reco	iblication Fee (if required) v rds of the United States Pate	vill not be accepted ent and Trademark	I from anyone other Office.	than the applicant; a re	sly paid issue fee to the applica gistered attorney or agent; or t	he assignee or other party ir	
Authorized Signature			Date				
Typed or printed name			Registration No.				
This collection of information an application. Confidentialities submitting the completed applies form and/or expectations.	n is required by 37 CFR 1.3 ty is governed by 35 U.S.C. plication form to the USPT for reducing this burden of	11. The information 122 and 37 CFR 1 O. Time will vary	n is required to obta 1.14. This collection depending upon the	is estimated to take 12 individual case. Any	the public which is to file (an minutes to complete, including comments on the amount of tight Trademark Office, U.S. Den	d by the USPTO to process) ng gathering, preparing, and me you require to complete artment of Commerce 200	

unis form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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1300 NORTH SE SUITE 1800	EVENTEENTH STREET		ART UNIT	PAPER NUMBER
ARLINGTON, V	/A 22209-9889		2188	
			DATE MAILED: 12/14/200	4

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 71 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 71 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (703) 305-1383. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.